THE IMPACT OF VIRTUAL LEARNING ENVIRONMENT

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Introduction

Since there has been a pandemic over the past three years, businesses and institutions are turning to a VLE (Virtual Learning Environment) approach to meet their educational and professional demands. The VLE platform demonstrated that it can achieve its availability and purpose requirements.
Information and communication technology (ICT) had a big part in the Covid-19 pandemic, and solutions like virtual learning environments (VLE) are becoming more and more important.
Higher education institutions may share, administer, maintain, and improve their traditional teaching methods in pandemic situations by incorporating various technologies into the online learning environment (VLE).
The COVID-19 Pandemic makes it essential to utilise a VLE in the classroom at Advanced Technological Institute. However, higher education institutions are more open to it's own. Building relationships and a sense of community, incorporating active learning, fostering learner agency, embracing mastery learning, and personalising the learning process are some of these pillars.
We outline their theoretical foundations, talk about pertinent literature, and think about the consequences for teacher preparation and, in turn, for research in educational technology, educational psychology, and the learning sciences.

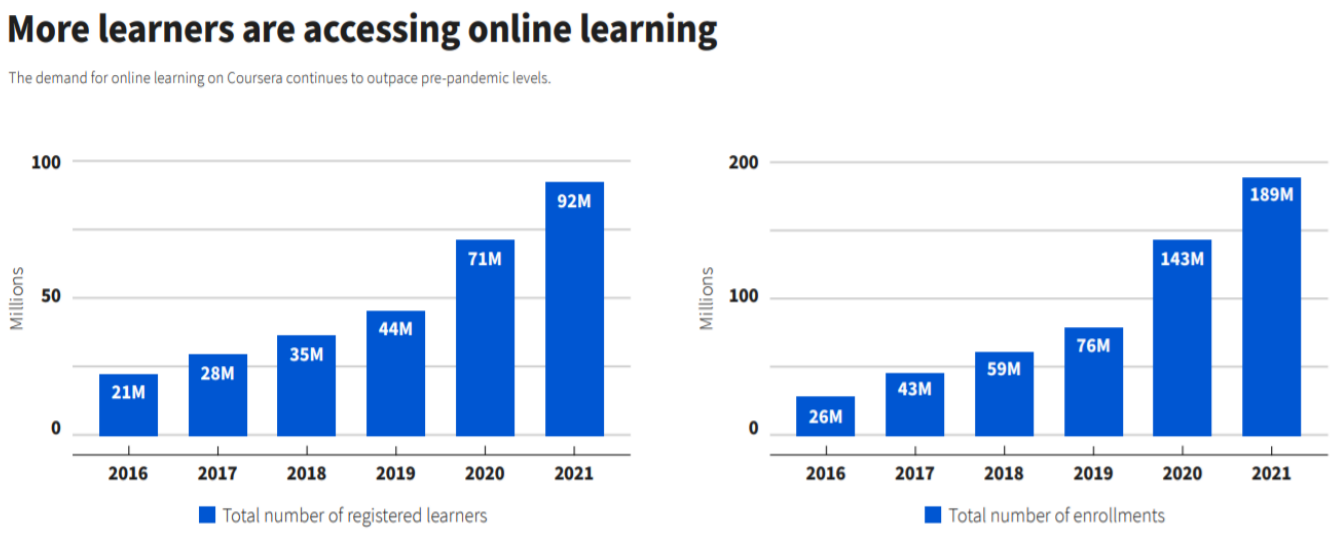
(Source: https://www.tandfonline.com/doi/abs/10.1080/00461520.2022.2051513) [Accessed 03.09.2022]

Differences between primary and secondary data

Primary data is information acquired directly by the researcher. Secondary data is information gathered previously by someone else. Source Surveys, interviews, experiments, questionnaire, direct surveys, etc.
Also, can be collected from publications from the government, websites, books, journal papers, internal documents, and so on.

Main Idea and development of VLE

The Virtual learning environment has made a huge impact in today’s way of learning, of gathering information and has changed the whole education in a good way, providing access even to the most remote places on earth.
By having the possibility of learning from anywhere in the world, the secondary data collected has shown an increase on the yearly enrolments to schools and universities around the globe.



- People are increasingly turning to online courses to assist them navigate today's ever-changing work environment.

- In 2021, the online learning platform Coursera had 20 million new student registrations. But also most of the universities that adapted this method had a huge increase in registrations.

- Emerging economies saw the greatest rate of new learner growth online.

- Online learning is an important tool in closing the growing global skills gap.

According to a renowned worldwide online learning platform, the number of students attending its online courses has surpassed pre-pandemic levels. Following the COVID-19-induced transition to remote working, workers are increasingly turning to digital learning to obtain the skills needed to negotiate today's already changing workplace.

Having access to high-quality online education is a crucial step in assisting individuals in future-proofing their skill sets and looking for fresh prospects for professional development.
An already rapidly changing world, where technologies like AI and robotics are continuing to upend labour markets and bring about fundamental change, has been expedited by the epidemic. For many, this leads to an uncertain future.
According to the "*THE FUTURE OF JOBS*" 2020, the rate of technological change we are currently seeing will likely continue, if not increase, in several sectors. Along with developments in digital encryption, non-humanoid robots, and AI, big business is destined to continue focusing on cloud computing, big data, and e-commerce.

Source : https://www.weforum.org/reports/the-future-of-jobs-report-2020/digest [Accessed 04.09.2022]

The workplace of the future is already here for many. Additionally, even while the "jobs of future" created by the technological revolution will outweigh the jobs it eliminates overall, its immediate effects may cause many employees to lose their employment and deprive them of the training necessary to fill new, more technical positions.
But upheaval also brings forth fresh opportunities that call for new abilities. And a solution is provided by the rising emphasis on reskilling among businesses and people alike. The majority of companies contacted for the research (66%) anticipate seeing a return on their investment from retraining and upskilling workers within a year.
Employers are now offering their employees five times as many online learning options, and four times as many people are looking for these possibilities on their own.

Primary research method used for data collection

What exactly is primary data collection?

- Using techniques like exams, questionnaires, and interviews, researchers can collect primary data, which is information that comes directly from primary sources. Primary data, which is frequently collected from the source where the data originally originates, is the best sort of data for analysis.

How primary data is collected?

- There are several ways to obtain primary data. The most common techniques are self-administered surveys, interviews, field observations, and experiments. Primary data collecting takes more time and money than secondary data collection.

After a lot of research on VLE and how exactly has impacted the society for the last years, I created a survey quiz for my colleagues in class for us to see exactly if our Virtual Portal is helping to find important information for their learning.

Below you can find the questions that I requested from my colleagues and the 16 answers that I have received back. Also, not to mention that you will find the conclusion of this small survey and a comparation of general surveys that I found online and on recent books.

1. Why Moodle is useful for you? (20 puncte)

Mai multe detalii Detalii

Helps with my research	15
Is not	0
It has plenty of important docu...	1

2. How often do you use Moodle for your homework (20 puncte)

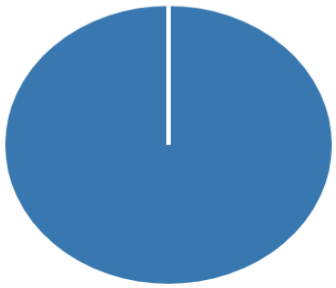
Mai multe detalii Detalii

Never	0
Often	9
Every time	7

3. Why you use Moodle? (20 puncte)

Mai multe detalii

To get more information when n...	16
I don't use	0



After only 3 questions almost everybody answered that Moodle is a useful tool when it comes to learning. Moodle is helping to present or connect students to learning resources, to help the learners, and evaluate their learning, Moodle supports a variety of media. Peer interaction and communication - Using the course forums, students may have discussions, exchange ideas, and even provide comments on one another's work.

4. Did Moodle and it's resources helped you improve your learning? (20 puncte)

Mai multe detalii Detalii

Yes	11
No	1
Maybe	4

5. Do you find Moodle useful? (20 puncte)

Mai multe detalii Detalii

Yes	14
No	2

Conclusion is that Moodle or any other VLE Platform that is provided to studens, creates a big impact in the learning outcome by providing all the necessary tools for a successful scholar year. Without doubt by having such a platform alredy unties your hands and gives you access to infinite resources that makes you understand better the courses that university provides you.

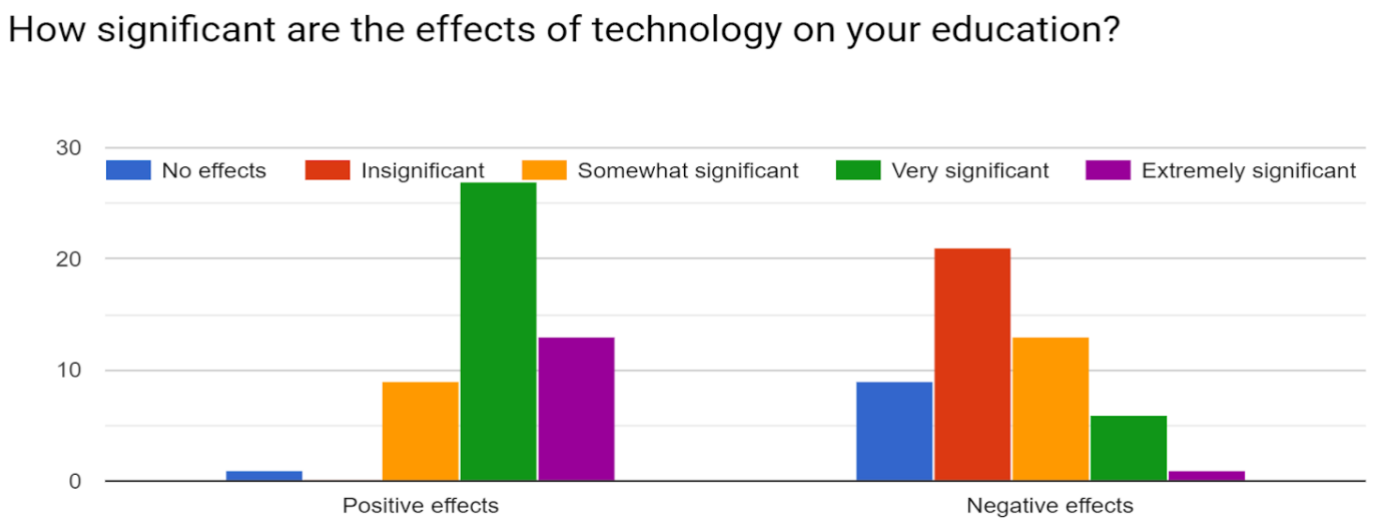
Secondary Data Collection

Inside the context of university teaching (ELT), this study investigates the potential effects of a blended Teaching to Learners (TEYLs) course made up of Moodle apps and in-person teaching. In contrast to the previous face-to-face

only method, the course was split into two sections: traditional classroom teaching, which included lectures and discussions on how to teach important courses to learners, and the Moodle application, which allowed students to upload their micro-teaching sessions and discuss and critique one another's work online. This hybrid course was also considered to be a possible time-saving tool for crammed classrooms.

The effects of using VLE tools in teaching and learning are the subject of a growing corpus of study (Ilin, 2006; Inozu & Ilin, 2007; Douglas and Hegelheimer, 2007; Polding, 2007; Zeng and Takatzuka, 2009; Tuparova, and Tuparov, 2010; Ozkan, 2011; Johanesen, Erstad, and Habib, 2012). The results of these research also point to the possibility that VLEs play a role in a variety of educational components, including the improvement of students' language proficiency on a linguistic level and the use of peer collaboration and cooperation to foster a sense of community.

In addition, Johanesen et. Al. document the unfavourable perception of lecturers about the adoption of VLE In the context of Norway, in their elementary and collegiate institutions. But over time, it was noticed that lecturers who opposed the use of VLE in their contexts created a variety of instructional strategies at both tiers Additionally, adjustments were seen in the perceived pressure from the governance of the school, which was followed by the lecturers' mutual acceptance and comprehension of the VLE. Next, It is important to note that lecturers have altered their thoughts on empowerment in relation to their instructional strategies along with interactions with parents and other lecturers.



Since most Moodle tools and resources are available online on the Learning Platform. Students from various universities can learn how technology can be utilised for proper and beneficial objectives as well as past negative impacts that are occasionally highlighted in the media.

The same students who expressed negative concerns also commented about other forms of technology's value to them.

Main Conclusion

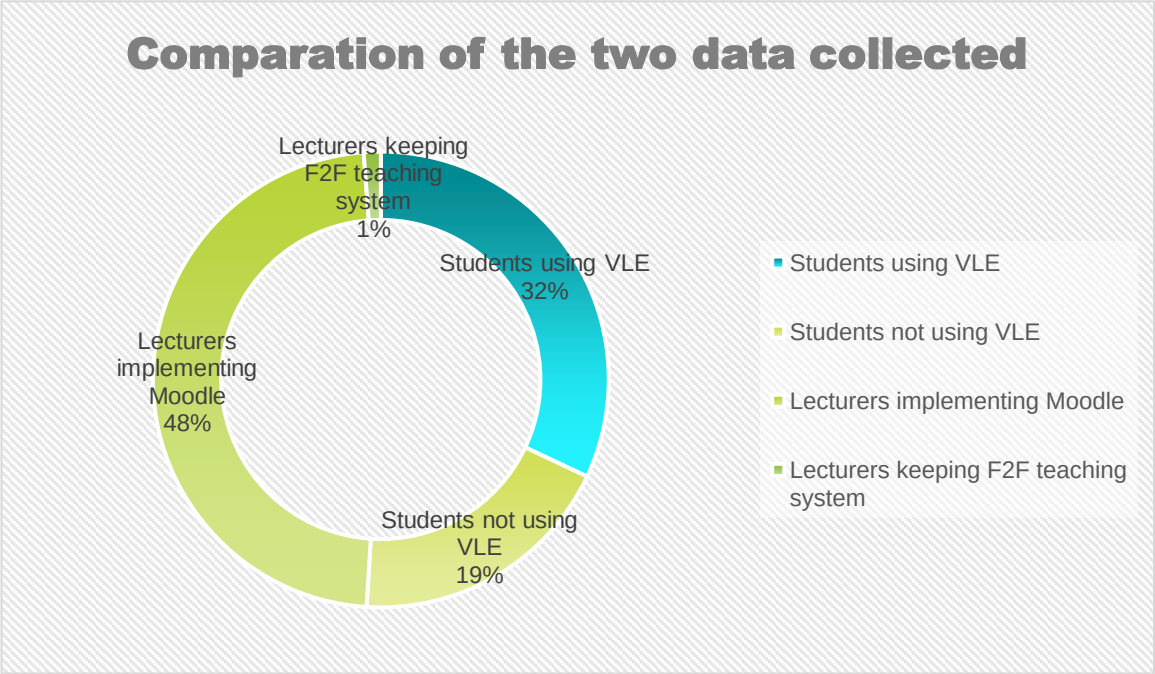
General conclusion between the research that I have done, would be that even in different countries, societies and different universities the Virtual Learning Environment helps more and more students to enrol for online classes, helps them to succeed in their courses and careers, helps in their personal growth by providing easy access to important information and very useful resources that anybody can access for free through different platforms.

Using primary or secondary research both together has different benefits. While primary research bridges the gap by identifying particular requirements, secondary research provides a base upon which to expand.

By collecting secondary data minimizes effort and time.

Secondary data collecting is more quicker and simpler than original data collection for research. This enables researchers to expedite the analytical process and save time. But also, collecting primary data has the benefit of allowing researchers to gather data specifically for their study's objectives. Fundamentally, the questions the researchers pose are designed to extract the information they need for their investigation.

This study discusses the numerous distinctions between primary and secondary data. The most important distinction is that primary data is true and original, whereas secondary data is just an analysis and interpretation of main data. In contrast to primary data, which is collected to address a specific problem, secondary data is obtained to address additional problems.



From the analysis above, it is clear that primary data is authentic and distinct information that the researcher directly obtains from a source in accordance with his needs. Unlike secondary data, which is available but not pure since it has undergone several statistical analyses.

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